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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: William McFarland, et al. : Group  
Serial No: 10/607,992 : Art Unit #2661  
Filed: 30 June 2003 : Examiner  
Title: SCALABLE COMMUNICATION SYSTEM : Unknown  
USING OVERLAID SIGNALS AND MULTI-  
CARRIER FREQUENCY COMMUNICATION:



**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants wish to make the following art references of record in the above-referenced Patent Application pursuant to 37 C.F.R. §§ 1.97 and 1.98, in the Duty of Disclosure set forth in 37 C.F.R. § 1.56.

Although the information submitted herewith may be “material” to the Examiner’s consideration of the subject Patent Application, this submission is not intended to constitute an admission that such information is “prior art” as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search was made or that no other material information, as defined in 37 C.F.R. § 1.56(d), exists.

The cited U.S. Patent references are:

<u>REF.</u>	<u>PAT/PUBLICATION NO.</u>	<u>ISSUE/PUB. DATE</u>	<u>INVENTOR(S)</u>
A	5,726,978	03/10/1998	Frodigh, et al.
B	5,828,660	10/27/1998	Baum, et al.

The cited foreign Patent references are:

<u>REF.</u>	<u>PAT/PUBLICATION NO.</u>	<u>ISSUE/PUB. DATE</u>	<u>INVENTOR(S)</u>
C	EP0874494A2	10/28/1998	Ho
D	WO99/50985	10/07/1999	Bengtsson, et al.
E	WO99/65155	12/16/1999	Mattisson, et al.

The cited Publications are:

<u>REF.</u>	<u>DESCRIPTION</u>
F	Mitsugu Ohkawa, et al., "Orthogonal Multicarrier Frequency Hopping-Code Division Multiple Access Scheme for Frequency-Selective Fading," <u>Electronics and Communications in Japan</u> , Part 1, Vol. 78, No. 8, pp. 86-98, Scripta Technica, Inc. (1995).
G	Qingxin Chen, et al., "Multicarrier CDMA with Adaptive Frequency Hopping for Mobile Radio Systems," <u>IEEE Journal on Selected Areas in Communications</u> , Vol. 14, No. 9, pp. 1852-1858 (December, 1996).
H	Jan-Jaap van de Beek, et al., "A Time and Frequency Synchronization Scheme for Multiuser OFDM," <u>IEEE Journal on Selected Areas in Communications</u> , Vol. 17, No. 11, pp. 1900-1914 (November, 1999).

This Information Disclosure Statement is being filed more than three months after filing of the subject Patent Application, but before the mailing of a first Office Action.

A form PTO/SB/08A (substitute for Form 1449/PTO) and copies of the references are submitted along with this paper. It is requested that the Examiner consider the references and make them of record in the above-referenced Patent Application.

Respectfully submitted,  
For: ROSENBERG, KLEIN & LEE

A handwritten signature in black ink, appearing to be 'Jun Y. Lee', with a long horizontal flourish extending to the right.

Jun Y. Lee  
Registration #40,262

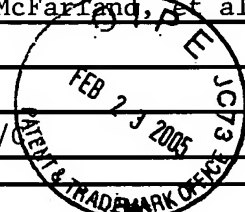
Dated: 2/22/2005

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/607,992
		Filing Date	30 June 2003
		First Named Inventor	William McFarland, et al.
		Art Unit	2661
		Examiner Name	Unknown
Sheet 2 of 2	Attorney Docket Number	MR2919-7/	



NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	F	Mitsugu Ohkawa, et al., "Orthogonal Multicarrier Frequency Hopping-Code Division Multiple Access Scheme for Frequency-Selective Fading," <u>Electronics and Communications in Japan, Part 1, Vol. 78, No. 8, pp. 86-98, Scripta Technica, Inc. (1995)</u>	
	G	Qingzin Chen, et al., "Multicarrier CDMA with Adaptive Frequency Hopping for Mobile Radio Systems," <u>IEEE Journal on Selected Areas in Communications, Vol. 14, No. 9, pp. 1852-1858 (December, 1996).</u>	
	H	Jan-Jaap van de Beek, et al., "A Time and Frequency Synchronization Scheme for Multiuser OFDM," <u>IEEE Journal on Selected Areas in Communications, Vol. 17, No. 11, pp. 1900-1914 (November, 1999).</u>	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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